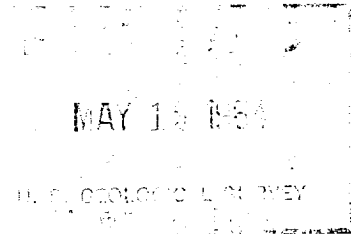
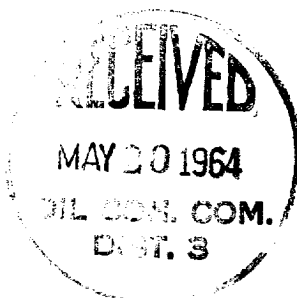


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. T. P. - Murphy 14 - 20 - 603 - 583
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
2. NAME OF OPERATOR Harlan Drilling Co.		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 300 1st. Nat. Bank Bldg., Odessa, Texas		8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 945' P.N.L. 750' P.E.L. At proposed prod. zone Gallup		9. WELL NO. 3
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 16 Miles North from Shiprock, N.M.		10. FIELD AND POOL, OR WILDCAT Xena
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 853' from #1	16. NO. OF ACRES IN LEASE 320	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15. T 33N. R18W
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 853'	19. PROPOSED DEPTH 1400'	12. COUNTY OR PARISH San Juan
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5360'		13. STATE N.M.
23. PROPOSED CASING AND CEMENTING PROGRAM		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
20. ROTARY OR CABLE TOOLS Rotary		22. APPROX. DATE WORK WILL START* 5 - 19 - 64

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
2"	7"	17 #	30'	10 sks
6"	4 1/2"	9.5 #	1330'	50 sks.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *Harlan* TITLE Cwner DATE 5-15-64

(This space for Federal or State office use)

PERMIT NO. 674 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

SECTION A.

Date _____

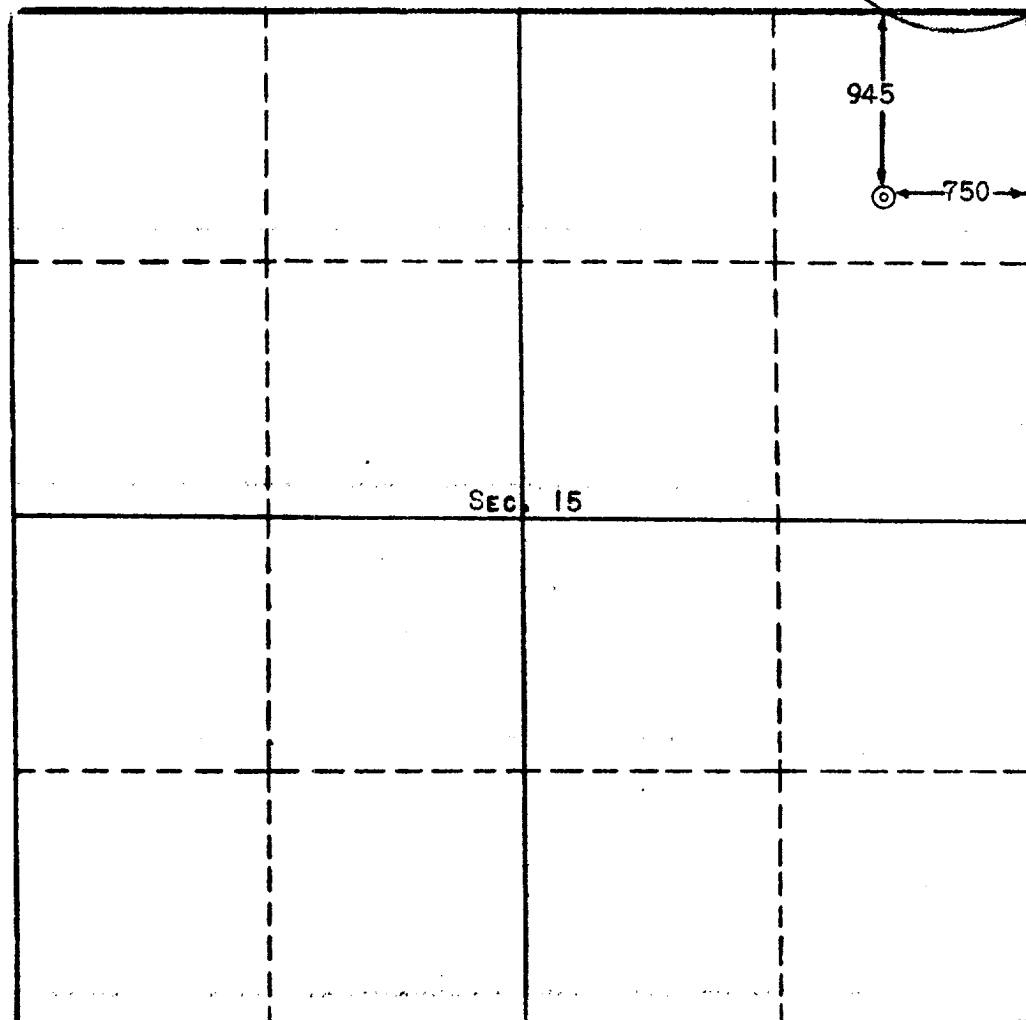
Operator HARLAN DRILLING COMPANY Lease _____
 Well No. _____ Unit Letter A Section 15 Township 32 NORTH Range 18 WEST NMPM
 Located 945 Feet From NORTH Line, 750 Feet From EAST Line
 County SAN JUAN G. L. Elevation 5360 Dedicated Acreage _____ Acres
 Name of Producing Formation _____ Pool _____

1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below? Yes _____ No _____
2. If the answer to question One is "No," have the interests of all the owners been consolidated by communization agreement or otherwise? Yes _____ No _____. If answer is "Yes," Type of Consolidation _____
3. If the answer to question Two is "No," list all the owners and their respective interests below:

OWNER

AND DESCRIPTION

SECTION B.



RECEIVED

MAY 20 1964

OIL CON. COM.
DIST. 3

RECEIVED

MAY 19 1964

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Harlan Drilling Co.
(OPERATOR)

Kenneth Harlan
(REPRESENTATIVE)

Box 742 Farmington, N.M.
(ADDRESS)

This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed MAY 12, 1964

Four States Engineering Co.
FARMINGTON, NEW MEXICO

Ernest W. Cash
REGISTERED ENGINEER OR
LAND SURVEYOR

Certificate No. 3602

